

AMENDMENTS TO THE CLAIMS:

Claim 1. (Currently amended) A one-way clutch comprising:

an outer ring fitting member comprising a hole, in which a recess portion is formed at an inner peripheral face of the hole;

a shaft passed through the hole of the outer ring fitting member;

a thin plate having a substantially uniform thickness and forming a shell-type annular outer ring comprising a plurality of cam faces on an inner peripheral face thereof, which is fitted into the hole of the outer ring fitting member and through which the shaft is passed;

a plurality of rollers arranged between the shaft and the annular outer ring so as to correspond to the plurality of cam faces, respectively; and

an annular retainer for retaining the plurality of rollers fitted to the outer ring, the retainer comprising,

an axially projected portion projected from the outer ring in an axial direction thereof, and

a projection projected from the axially projected portion in a radial direction of thereof, which is fitted to the recess portion of the outer ring fitting member to prevent the retainer from rotating with respect to the outer ring fitting member,

wherein each of said plurality of cam faces includes an expanded portion formed by expanding a cylindrical portion of said thin plate to an outer peripheral side to recess an inner face side thereof, and

wherein said expanded portion is fitted to said recess portion.

Claim 2. (Previously presented) The one-way clutch according to claim 1, wherein the

retainer further comprises a plurality of urging members for urging the plurality of rollers in a peripheral direction thereof, respectively.

Claim 3. (Previously presented) The one-way clutch according to claim 1, wherein
the retainer further comprises a plurality of radially projected portions formed at an outer periphery thereof,
a plurality of expanded portions of the shell-type annular outer ring form a plurality of recess portions extending from the plurality of cam faces, respectively, and
the plurality of radially projected portions and the plurality of recess portions are fitted with each other to prevent turning of the retainer relative to the outer ring.

Claim 4. (Previously presented) The one-way clutch according to claim 3, wherein
a number of the plurality of radially projected portions corresponds to a number of the plurality of recess portions.

Claim 5. (Currently amended) The one-way clutch according to claim 1, wherein
the retainer comprises a plurality of radially projected portions and ~~the~~ a plurality of expanded portions of the shell-type annular outer ring forming ~~comprises~~ a plurality of recess portions that are fitted with each to provide a clearance therebetween.

Claim 6. (Currently amended) The one-way clutch according to claim 1, wherein
a plurality of expanded portions of the shell-type annular outer ring ~~fitted member~~
form a plurality of recess portions at the inner peripheral face of the hole, which extend in the

axial direction.

Claim 7. (Previously presented) The one-way clutch according to claim 6, wherein the shell-type annular outer ring comprises a plurality of portions expanded from portions of an outer peripheral face corresponding to the plurality of cam faces, and the plurality of expanded portions are fitted to the plurality of recess portions of the hole.

Claim 8. (Previously presented) The one-way clutch of claim 1, wherein said recess portion comprises an axially and radially extending surface that abuts an axially and radially extending surface of said projection of said annular retainer.

Claim 9. (Previously presented) The one-way clutch of claim 8, wherein said axially and radially extending surfaces are substantially planar.

Claim 10. (Currently amended) A one-way clutch comprising:
a housing defining a hole with a recess in an inner peripheral surface of the hole;
a thin plate having a substantially uniform thickness and forming an outer ring in the hole of the housing;
a plurality of rollers within an inner peripheral surface of the outer ring;
an annular retainer within an inner peripheral surface of the outer ring and comprising:
a projected portion projecting axially out of the outer ring; and
a projection engaging the recess of the housing to prevent the retainer from

rotating with respect to the housing; and
a shaft extending through the annular retainer.

Claim 11. (Previously presented) The clutch of claim 10, wherein a plurality of expanded portions of the outer ring form a plurality of cam faces on the inner peripheral face.

Claim 12. (Previously presented) The clutch of claim 11, wherein the annular retainer further comprises a plurality of radially extending projections received by the plurality of cam faces.

Claim 13. (Previously presented) The clutch of claim 12, wherein the inner peripheral face of the outer ring and the plurality of radially extending projections define a clearance therebetween.

Claim 14. (Previously presented) The clutch of claim 12, wherein the plurality of cam faces receives the plurality of radially extending projections to prevent the retainer from rotating with respect to the outer ring.

Claim 15. (Previously presented) The clutch of claim 10, wherein said annular outer ring comprises a radially expanded portion that extends into the recess to prevent the outer ring from rotating relative to the housing.

Claim 16. (Currently amended) A one-way clutch comprising:

a housing defining a hole with a recess having an axially and radially extending surface in an inner peripheral surface of the hole;

a thin plate having a substantially uniform thickness and forming an outer ring in the hole of the housing;

a plurality of rollers within an inner peripheral surface of the outer ring;

an annular retainer within an inner peripheral surface of the outer ring and comprising:

a projected portion projecting axially out of the outer ring; and

a projection comprising an axially and radially extending surface that abuts the axially and radially extending surface of the recess of the housing; and

a shaft extending through the annular retainer.

Claim 17. (Currently amended) The clutch of claim 16, wherein the annular outer ring comprises a plurality of expanded portions forming a plurality of cam faces on the inner peripheral surface face.

Claim 18. (Previously presented) The clutch of claim 17, wherein the annular retainer further comprises a plurality of radially extending projections received by the plurality of cam faces.

Claim 19. (Currently amended) The clutch of claim 18, wherein the inner peripheral surface face of the outer ring and the plurality of radially extending projections define a clearance therebetween.

Claim 20. (Previously presented) The clutch of claim 18, wherein the plurality of cam faces receives the plurality of radially extending projections to prevent the retainer from rotating with respect to the outer ring.

Claim 21. (Previously presented) The clutch of claim 16, wherein the outer ring comprises a radially expanded portion that extends into the recess to prevent the outer ring from rotating relative to the housing.